

**Apparatus and method for monitoring a running process**

**ABSTRACT**

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An apparatus for monitoring a process comprises an acquisition means for repeatedly acquiring at least two different pieces of information of the process. A means for performing a component transformation uses the acquired  
10 information to calculate a main component measurement vector in a main component space. An evaluation means calculates a process indicator quantity by using the calculated main component measurement vector with one or several main component measurement vectors of a previous  
15 acquisition. Further, the evaluation means is formed to detect a process end by using the process indicator quantity.

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